

American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005



2/3/84
A2575-1

weekly statistical bulletin

STATISTICS DEPARTMENT

VOL. 65 For Week Ended January 27, 1984

NO. 4

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)
(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending: 01/27/84	Last Week Ending: 01/20/84	Last Year Week Ending: 01/28/83	Change From Last Week	Change From Last Year
<u>Refinery Operations</u>					
Input to crude oil distillation units	12,132	11,858	11,477	274	655
Operable capacity	16,309	16,309	16,814	0	-505
Percent operated	74.4	72.7	68.3		
<u>Motor Gasoline</u>					
Total motor gasoline production	6,408	6,023	5,926	385	482
Finished leaded motor gasoline production	2,488	2,633	2,749	-145	-261
Finished unleaded motor gasoline production	3,920	3,390	3,177	530	743
Total motor gasoline stocks	224,457	225,112	250,302	-655	-25,845
Finished leaded motor gasoline stocks	91,693	92,883	106,253	-1,190	-14,560
Finished unleaded motor gasoline stocks	93,084	91,676	102,090	1,408	-9,006
<u>Distillate Fuel Oil</u>					
Distillate fuel oil production	2,703	2,595	2,383	108	320
Distillate fuel oil stocks	122,244	130,943	170,282	-8,699	-48,038
<u>Residual Fuel Oil</u>					
Residual fuel oil production	1,049	1,052	1,085	-3	-36
Residual fuel oil stocks	43,149	44,808	59,681	-1,659	-16,532
<u>Imports</u>					
Crude oil imports	2,712	3,024	3,227	-312	-515
Product imports	2,226	2,101	1,827	125	399
<u>Crude Oil Stocks</u>					
Crude oil stocks	344,890	349,963	363,641	-5,073	-18,751

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 289-6949

NA-Not Available



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STATISTICS DEPARTMENT

VOL. 65 For Week Ended January 27, 1984

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U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Oper- ated
East Coast	1,105	971	1,049	1,229	85.4
Appal. No. 1	78	75	75	177	42.4
DISTRICT 1 TOTAL	1,183	1,046	1,124	1,406	79.9
Appal. No. 2	65	58	65	66	98.5
Ind., Ill., Ky.	1,906	1,791	1,809	2,345	77.1
Minn., Wis., Daks.	311	280	293	296	99.0
Okla., Kans., Mo.	636	561	561	827	67.8
DISTRICT 2 TOTAL	2,918	2,690	2,728	3,534	77.2
Inland Texas	625	511	520	585	88.9
Texas Gulf Coast	3,186	2,886*	2,931*	3,907	75.0*
La. Gulf Coast	2,310	2,067	2,099	2,890	72.6
N. La. and Ark.	202	182	182	286	63.6
New Mexico	96	81	81	105	77.1
DISTRICT 3 TOTAL	6,419	5,727*	5,813*	7,773	74.8*
DISTRICT 4 TOTAL	422	412	415	536	77.4
DISTRICT 5 TOTAL	2,155	2,048	2,052	3,060	67.1
TOTAL U.S.	13,097	11,923	12,132	16,309	74.4
TOTAL U.S.					
Weeks Ended:					
JAN. 20, 1984	12,754	11,697*	11,858*	16,309	72.7*
JAN. 28, 1983	12,531	11,131	11,477	16,814	68.3
DISTRICTS 1-4					
Weeks Ended:					
JAN. 27, 1984	10,942	9,875	10,080	13,249	76.1
JAN. 20, 1984	10,494	9,595*	9,756*	13,249	73.6*
JAN. 28, 1983	10,278	9,166	9,481	13,731	69.0

* See Revisions on Page 7.

API WEEKLY STATISTICAL BULLETIN
Week Ended January 27, 1984

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline ¹	Motor Gasoline		Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type		
East Coast	549	175	374	28	29	287	174
Appal. No. 1	28	9	19	1	--	19	9
DISTRICT 1 TOTAL	577	184	393	29	29	306	183
Appal. No. 2	42	19	23	3	1	12	3
Ind., Ill., Ky.	1,169	462	707	8	128	368	84
Minn., Wis., Daks.	137	45	92	9	13	80	8
Okla., Kans., Mo.	314	172	142	12	16	164	3
DISTRICT 2 TOTAL	1,662	698	964	32	158	624	98
Inland Texas	369	181	188	19	25	117	37
Texas Gulf Coast	1,463*	476	987*	29	192	699*	270
La. Gulf Coast	1,016	342	674	14	272	439	75
N. La. and Ark.	67	29	38	3	--	56	10
New Mexico	38	18	20	7	1	20	1
DISTRICT 3 TOTAL	2,953*	1,046	1,907*	72	490	1,331*	393
DISTRICT 4 TOTAL	213	120	93	14	21	114	10
DISTRICT 5 TOTAL	1,003	440	563	48	209	328*	365
TOTAL U.S.	6,408	2,488	3,920	195	907	2,703	1,049
TOTAL U.S.							
Weeks Ended:							
JAN. 20, 1984	6,023*	2,633	3,390*	182	877	2,595*	1,052
JAN. 28, 1983	5,926	2,749	3,177	193	811	2,383	1,085
DISTRICTS 1-4							
Weeks Ended:							
JAN. 27, 1984	5,405	2,048	3,357	147	698	2,375	684
JAN. 20, 1984	5,080*	2,274	2,806*	133	654	2,288*	710
JAN. 28, 1983	5,024	2,342	2,682	149	608	2,027	761

¹Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.

²Includes Grade No. 4 fuel oil.

* See Revisions on Page 7.

NA-Not Available

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline ¹	Motor Gasoline			Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil	Unfinished Oils
		Finished Leaded	Finished Unleaded	Blending Components	Naphtha Type	Kerosine Type			
New England	5,548x	2,686x	2,862	--	108	526	8,089	1,778	--
Central Atlantic	30,221x	11,584x	14,315x	4,322	402	3,845	24,592x	17,149	11,037
Lower Atlantic	24,967x	12,734x	11,979x	254	119	3,955	11,724	2,234	447
DISTRICT 1 TOTAL	60,736x	27,004x	29,156x	4,576	629	8,326	44,405x	21,161	11,484
DISTRICT 2 TOTAL	62,807	29,151	26,325	7,331	1,250	6,556	37,828	3,374	17,639
DISTRICT 3 TOTAL	63,374x	22,230x	23,705	17,439 *	2,576	10,349	26,719	10,605	47,611x
DISTRICT 4 TOTAL	8,071	3,764	2,082	2,225	298	460	2,844	369	2,522
DISTRICT 5 TOTAL	29,469	9,544	11,816	8,109	1,637	4,945	10,448x	7,640	25,728
TOTAL U.S.	224,457	91,693	93,084	39,680	6,390	30,636	122,244	43,149	104,984
TOTAL U.S.									
Weeks Ended:									
JAN. 20, 1984	225,112x	92,883x	91,676x	40,553 *	6,366	30,087	130,943x	44,808	105,762x
JAN. 28, 1983	250,302	106,253	102,090	41,959	7,349	34,525	170,282	59,681	110,833
DISTRICTS 1-4									
Weeks Ended:									
JAN. 27, 1984	194,988	82,149	81,268	31,571	4,753	25,691	111,796	35,509	79,256
JAN. 20, 1984	196,137x	83,620x	79,975x	32,542 *	4,788	25,078	119,645x	37,533	79,951x
JAN. 28, 1983	219,380	95,058	90,624	33,698	5,725	28,647	156,914	50,997	83,471

¹Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

²Includes Grade No. 4 fuel oil.

* See Revisions on Page 7.

NA-Not Available

WEEKLY STATISTICAL BULLETIN
Week Ended January 27, 1984

**ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE),
IMPORTS AND STOCKS OF CRUDE OIL**

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production ¹		Crude Oil Imports ¹		Crude Oil Stocks By Location ¹
	API Monthly	Latest Dept. of Energy Sept. 1983	Total	From Canada	
-----Daily Average-----					
DISTRICTS 1-4 TOTAL					
JAN. 27, 1984	5,799.3	5,895.0	2,607	311	258,207
JAN. 20, 1984	5,799.3	--	2,809*	221	266,214*
JAN. 13, 1984	5,799.3	--	2,653	322	267,478
JAN. 6, 1984	5,794.8	--	2,268	241	271,798
DISTRICT 5 TOTAL					
JAN. 27, 1984	2,861.5	2,859.0	105	27	86,683
JAN. 20, 1984	2,861.5	--	215	35	83,749
JAN. 13, 1984	2,861.5	--	141	15	84,521
JAN. 6, 1984	2,824.5	--	110	--	79,755
#INCLUDES 27,578 BBLs. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.					
TOTAL U.S.					
JAN. 27, 1984	8,660.8	8,754.0	2,712	338	344,890
JAN. 20, 1984	8,660.8	--	3,024*	256	349,963*
JAN. 13, 1984	8,660.8	--	2,794	337	351,999
JAN. 6, 1984	8,619.3	--	2,378	241	351,553
JAN. 28, 1983	8,661.0 /a	--	3,227	182	363,641

/a - DOE actual for January 1983.

LOCATION OF CRUDE OIL STOCKS¹

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1-4	District 5	Total U.S.
Weeks Ended:							
JAN. 27, 1984	15,588	73,049	156,050	13,520	258,207	86,683 ‡	344,890 ‡
JAN. 20, 1984	15,581	74,169	162,992*	13,472	266,214*	83,749	349,963*
JAN. 28, 1983	20,234	76,853	166,586	14,850	278,523	85,118	363,641

¹ See definitional notes, Page 6.

* See Revisions on Page 7.

API WEEKLY STATISTICAL BULLETIN
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IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline ¹	Motor Gasoline		Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil	L.P.G.	Unfinished Oil ³	Other	Total
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type						
New England	--	--	--	--	--	35	43	--	--	--	78
Central Atlantic	181	88	93	--	62	147	642	10	40	31	1,113
Lower Atlantic	--	--	--	--	25	34	185	--	--	--	244
DISTRICT 1 TOTAL											
JAN. 27, 1984	181	88	93	--	87	216	870	10	40	31	1,435
JAN. 20, 1984	215	59	156	--	63	269	929	12	100	--	1,588
JAN. 13, 1984	80	46	34	--	36	186	670	15	119	138	1,244
JAN. 6, 1984	165	59	106	--	21	213	496	2	122	114	1,133
DISTRICTS 2-4 TOTAL											
JAN. 27, 1984	14	5	9	--	--	13	50	181	232	91	581
JAN. 20, 1984	18	8	10	--	--	14	100	195	60	66	453
JAN. 13, 1984	85	45	40	--	--	20	45	225	81	156	612
JAN. 6, 1984	11	8	3	--	--	20	45	205	80	137	498
DISTRICT 5 TOTAL											
JAN. 27, 1984	5	2	3	--	2	5	25	22	73	78	210
JAN. 20, 1984	11	3	8	--	2	5	14	23	--	5	60
JAN. 13, 1984	14	4	10	--	2	5	12	12	--	5	50
JAN. 6, 1984	14	4	10	--	2	2	12	10	--	5	45
TOTAL U.S.	200	95	105	--	89	234	945	213	345	200	2,226
TOTAL U.S.											
Weeks Ended:											
JAN. 20, 1984	244	70	174	--	65	288	1,043	230	160	71	2,101
JAN. 13, 1984	179	95	84	--	38	211	727	252	200	299	1,906
JAN. 6, 1984	190	71	119	--	23	235	553	217	202	256	1,676
JAN. 28, 1983	184	117	67	3	9	100	803	345	181	202	1,827

¹Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

²Includes Grade No. 4 fuel oil.

³See definitional notes, Page 6.

NA-Not Available

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.

Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subsequent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.

The Total of crude oil imports includes receipts from Canada.

Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.

Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

API STATISTICAL BULLETIN
WEEK ENDED: JAN. 27, 1984

REVISIONS

01/20/84	PAGE 1	CRUDE OIL RUNS	TEXAS GULF COAST	2,737
			DISTRICT 3 TOTAL	5,549
			TOTAL U.S.	11,697
		INPUT TO CRUDE OIL	DISTRICTS 1-4	9,595
			TEXAS GULF COAST	2,781
			DISTRICT 3 TOTAL	5,640
			TOTAL U.S.	11,858
		% OPERABLE	DISTRICTS 1-4	9,756
			TEXAS GULF COAST	71.2
			DISTRICT 3 TOTAL	72.6
			TOTAL U.S.	72.7
			DISTRICTS 1-4	73.6
	PAGE 2	TOTAL MGAS	TEXAS GULF COAST	1,261
			DISTRICT 3 TOTAL	2,719
			TOTAL U.S.	6,023
		UNLEADED MGAS	DISTRICTS 1-4	5,080
			TEXAS GULF COAST	704
			DISTRICT 3 TOTAL	1,546
			TOTAL U.S.	3,390
		DISTILLATE FUEL	DISTRICTS 1-4	2,806
			TEXAS GULF COAST	598
			DISTRICT 3 TOTAL	1,192
			DISTRICT 5 TOTAL	307
			TOTAL U.S.	2,595
			DISTRICTS 1-4	2,288
	PAGE 3	TOTAL MGAS	NEW ENGLAND	5,505
			CENTRAL ATLANTIC	30,925
			LOWER ATLANTIC	25,785
			DISTRICT 1 TOTAL	62,215
			DISTRICT 3 TOTAL	62,463
			TOTAL U.S.	225,112
			DISTRICTS 1-4	196,137
		LEADED MGAS	NEW ENGLAND	2,834
			CENTRAL ATLANTIC	11,559
			LOWER ATLANTIC	13,105
			DISTRICT 1 TOTAL	27,498
			DISTRICT 3 TOTAL	23,701
			TOTAL U.S.	92,883
			DISTRICTS 1-4	83,620
		UNLEADED MGAS	CENTRAL ATLANTIC	14,847
			LOWER ATLANTIC	12,478
			DISTRICT 1 TOTAL	29,996
			TOTAL U.S.	91,676
			DISTRICTS 1-4	79,975
		BLENDING COMPS	DISTRICT 3 TOTAL	17,884

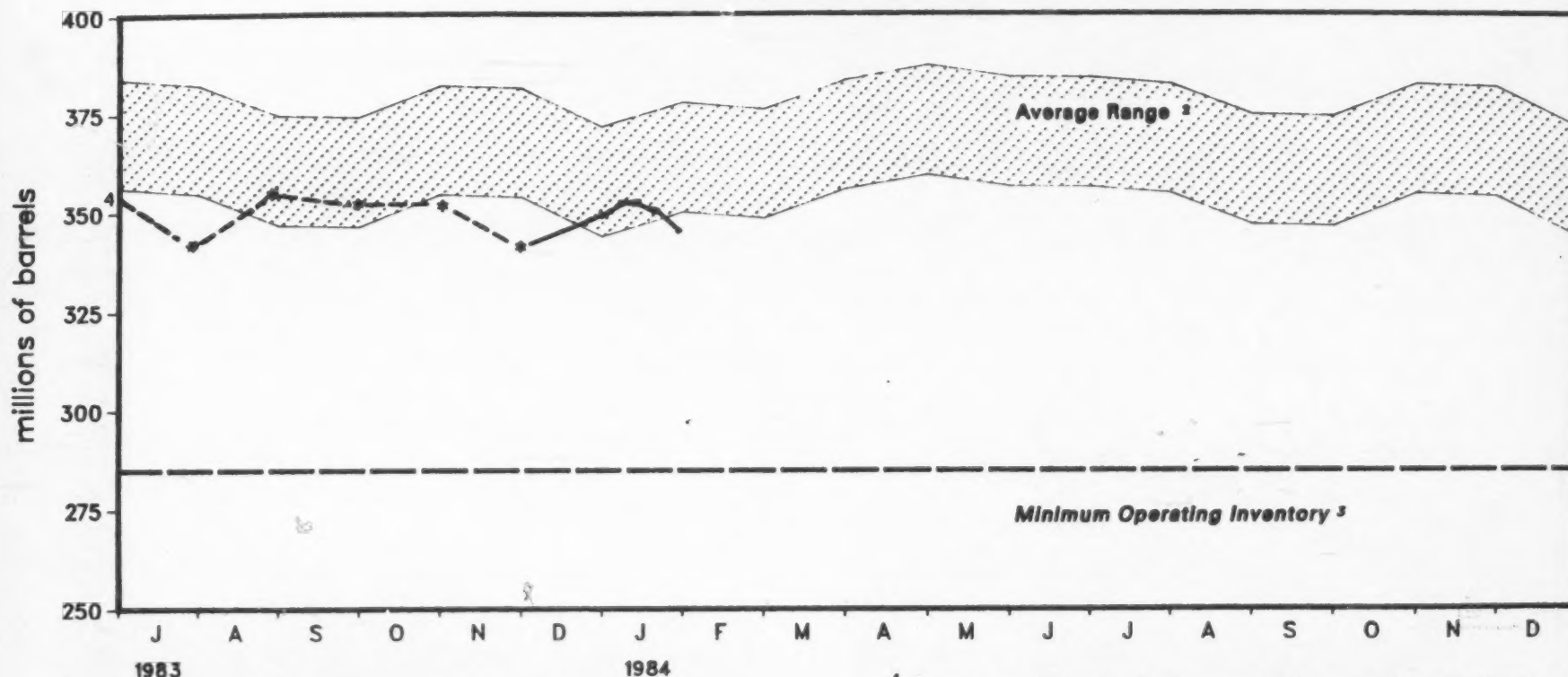
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REVISIONS

		TOTAL U.S.	40,553
		DISTRICTS 1-4	32,542
	DISTILLATE FUEL	CENTRAL ATLANTIC	27,663
		DISTRICT 1 TOTAL	49,192
		DISTRICT 5 TOTAL	11,298
		TOTAL U.S.	130,943
		DISTRICTS 1-4	119,645
	UNFINISHED OILS	DISTRICT 3 TOTAL	47,580
		TOTAL U.S.	105,762
		DISTRICTS 1-4	79,951
PAGE 4 T	TOTAL CRUDE OIL IMPORTS	DISTRICTS 1-4 TOTAL	2,809
		TOTAL U.S.	3,024
	CRUDE OIL STOCKS	DISTRICTS 1-4 TOTAL	266,214
		TOTAL U.S.	349,963
PAGE 4 B	TOTAL	PAD DISTRICT 3	162,992
		TOTAL PAD DISTRICTS 1-4	266,214
		TOTAL U.S.	349,963

Week Ended January 27, 1984

Crude Oil Stocks at Primary Level^{1, 5}



¹ Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

² Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1980 - June 1983. The seasonal pattern is based on seven years of monthly data: January 1976 - December 1982.

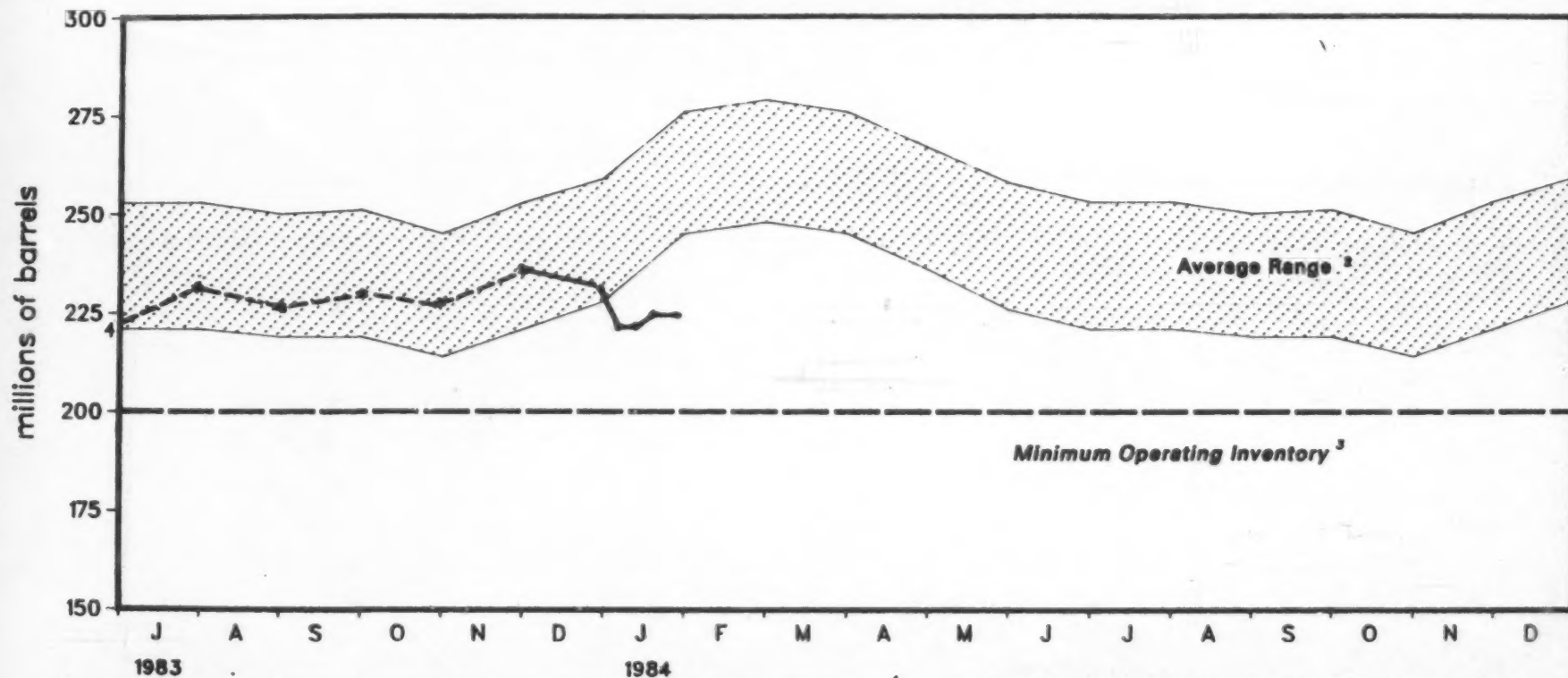
³ The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for crude oil at 285 million barrels.

⁴ Source: * -- EIA, Energy Data Reports, Petroleum Statement, Monthly.
• -- API, Weekly Statistical Bulletin.

⁵ The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistic systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.

Week Ended January 27, 1984

Motor Gasoline Stocks at Primary Level ¹



¹ Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

⁴ Sources: * -- EIA, Energy Data Reports, Petroleum Statement, Monthly.
• -- API, Weekly Statistical Bulletin.

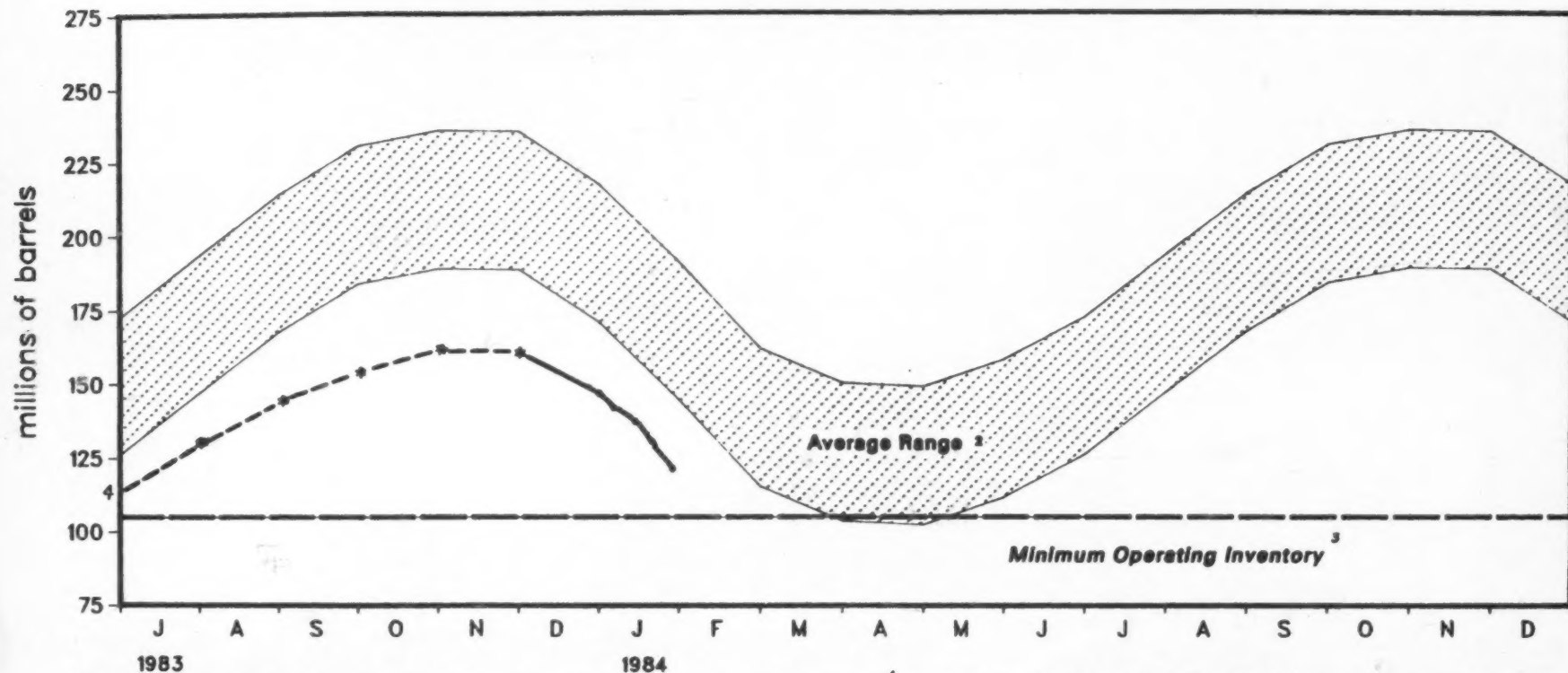
² Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1980 - June 1983. The seasonal pattern is based on seven years of monthly data: January 1976 - December 1982.

⁵ The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistics systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.

³ The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for motor gasoline at 200 million barrels.

Week Ended January 27, 1984

Distillate Fuel Oil Stocks at Primary Level ¹ ⁵



¹ Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

⁴ Source: * -- EIA, Energy Data Reports, Petroleum Statement, Monthly.
 • -- API, Weekly Statistical Bulletin.

² Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1980 - June 1983. The seasonal pattern is based on seven years of monthly data: January 1976 - December 1982.

³ The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for distillate fuel oil at 103 million barrels.

⁵ The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.